ABSTRACT

Responsive to image data of three colors, six hue data
are obtained, and then first comparison-result data and
second-order terms each relating to one of the six hues, and
second comparison-result data each relating to one of the
six inter-hue areas are obtained. Matrix calculation is
performed on the first comparison-result data, the second
comparison-result data, and the second-order terms, using
coefficients. By varying the coefficients, adjustment can
be made to only the target hue or inter-hue area, without
affecting other hues and inter-hue areas. Thus, the six
hues and six inter-hue areas can be varied independently,
and the large-capacity memory is not required. In addition,
gray scale conversion is applied to the result of the matrix
calculation, so as to compensate for the non-linearity of
the output device.

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